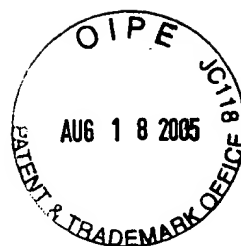


SEQUENCE LISTING



<110> Carson, Monica J
Sutcliffe, J. Gregor
Almazan, Melissa T.
Tobal, Gabriela M.

<120> Gene Expression Modulated By Activation of Microglia Or
Macrophages

<130> 98,634-A

<150> US 60/108,259

<151> 1998-11-12

<160> 76

<170> PatentIn version 3.3

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tgacttatTTT ccctcgggtc ccactagag gatcgaggct agatgccttg tgagaaatgc      180
ctttgagttt actgtcccca acgtttttat aatattgtat ataagactat gaccgattgt      240
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 aaatgaaagt tccactaaac ggtatttgct cttgtgatat gtggcacatt gtgatatttt 240
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 cagccatttg agaataaaaa 200

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 tttcatggat tgagaatgct tagaggtttt gtttgtttgt ttgattgatt tgtttttttg 180
 aagaaataaa tgatagatga ataaacttcc aggaaaaa 218

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 aactatctgc attatctatg cagcatgggg tttttattat ttttacctaa agatgtctct 180
 ttttggtaat gacaaacgtg ttttttaaga aaaaaacccn aaaaaaanc 229

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 <211> 213
 <212> DNA
 <213> Mus musculus

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 aacactgagg gacatctgta gcctgtcagc tccatgctac cctgacctgc aactcctcac 180
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 tgatttcttg ttaatttcat ggattgagaa tgcttagagg ttttgtctgt ttgtttgatt 300
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 accctgctgt cccagcagtc tggcaactcc taaggcggcc ctggcattgg cttggtgatt 180
 actggctgca ctctgggggg cggttcttcc atgatggtgt ttctctaaa tttgcacgga 240
 gaaacacctg atttccagga aaatcccctc agatggggcg tggtcccatc cattcccgat 300
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<210> 11
 <211> 361
 <212> DNA
 <213> Mus musculus

<400> 11
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attatatattct caggggactgc atgcaatgta acattactgg ttggttctgc caattttcct	120
cttgggtatatt ataaaggaaa accaaaaactc ttgggtcagag acaatatgca aaacagagat	180
gtcaagtact atgtccaaat actgtgaaat atagtgagaa ataggtaaca aatttatcaa	240
tcaactatgt ttggatccag ggaatctcaa gttattcaat tcattctctg taagcctttg	300
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gtgagcagaa tgagacaatc tttaacaatca gaattgagaa gtgttacaat tgaatggcct	180
tgtgctgtag caataaaatg accaagtgc atgactttaa taaaatcatc cttcaaacgc	240
aaaaa	245

<210> 13
 <211> 264
 <212> DNA
 <213> Mus musculus

<400> 13	
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gaagaccaa agacttggtta ccaagcagat tgaatggcca gtggtgaaag acctgccaac	120
ctgtcagggt agcgtcaggc agttacaaag tctgttggtg ttaaaaagta acagagcaaa	180
tgttcaaaag tgaaatttta tttatgggaa ttcagtgtt ccaacttgta tcacaccagt	240
taataaatgt gaagtcttca aaaa	264

<210> 14
 <211> 192
 <212> DNA
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<400> 14	
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ctgaattgac aaatgtcgac ttaactgata aattatattt ggtaaaataa aatggaagtt 180
tatttcgaaa aa 192

<210> 15
<211> 375
<212> DNA
<213> Mus musculus

<400> 15
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cccagaaagt ctgctccttt ttgtagtcac ctatcttgag gtttctcaaa ccacttttca 180
tgaaccagtg aatattcaag agaactaaat ttgaagtctg tacaaaagct tctctttaac 240
acgtgccata atacactatc ttctgctcgt cagtccttaa catctacctc tctgaatttc 300
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ggcaccatcc gtggggattt ctgcattcaa gttggcagga acatcattca tggcagtgat 180
tcagtggaga gtgctgagaa agagatccat ctgtggttta agcccgaaga actgatcgac 240

tacaagtctt gtgcccatga ctgggtgtac gagtagacat gaagaaacca gaatcctttt	300
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 <213> Mus musculus

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cagagaaacc ctgtctcgaa aaccaaaaaac aaaaaaaaaa gaactccagt taagacttct	180
aataccaaat tctcttgcaa gttatgaaaa taaagtatat aaamcgaaaa a	231

<210> 18
 <211> 317
 <212> DNA
 <213> Mus musculus

<400> 18	
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gattgctgac aaactgctct tgattgtttc ttaaggaac tgctttctct ccctgactcc	180
tctgctcatc ctagccatac aattttccag tcagcaaac tcattactaa tcatgtaggg	240
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acaactccca acaaaaa	317

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 <211> 232
 <212> DNA
 <213> Mus musculus

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atttctgagt ttgaggccag cctgggtctac agagtgagtt cgaggacaac cagggctaca	120
cagagaaacc ctgtctcgag aaccaaaaaac aaaaaaaaaa aactccagtt aagacttcta	180
ataccaaatt ctcttgcaag ttatgaaaat aaagtatata aaaggacaaa aa	232

<210> 20

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<211> 211
<212> DNA
<213> Mus musculus

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actcacaatt ctagaatttg cagtagcatt aattcaagcc tacgtattca ccctcctagt 180
aagcctatat ctacatgata atacacaaaa a 211

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<213> Mus musculus

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ttctccagtc taaccgcgct gatgtgcatc tactatttcc aggagagtct gctcccagac 120
actctgcctt tccctccaaa accctctcac tcccagctcg tgcaaactgg ttacacagca 180
gaaacgcaaa ataaagaggt ggcttttcgca taaaaa 216

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<213> Mus musculus

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 ggtngcatct ttgtnctgta 380

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 <211> 348
 <212> DNA

<213> Mus musculus

<400> 23

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gtcagagatg cgggtcaaggc ggtaggcac cgtggagtgg gcttggcggc cttgggcctc      180
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aattaggttt attttcacaa catacaataa accacaagaa aggaaaaa      348
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<211> 335

<212> DNA

<213> Mus musculus

<400> 24

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ctgtaataaa ataattcgat gactatctgg aaaaaa      335
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<210> 25

<211> 191

<212> DNA

<213> Mus musculus

<400> 25

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cggacaccca tcatgtgaag taaggagcct gttcccaaca accataaaat aaagatcttg      180
ctatgcaaaa a      191
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<210> 26

<211> 48

<212> DNA

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 <223> N stands for A, C, G or T

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<210> 27
 <211> 16
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: 5' RT primer

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<210> 28
 <211> 16
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: 5' PCR primer

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 <223> N stands for A, C, G or T

<400> 28
 ggtcgacggt atcggn 16

<210> 29
 <211> 15
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: universal 3' PCR primer

<400> 29
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<210> 30
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 <223> Description of Artificial Sequence: 5' PCR primer

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 <221> misc_feature
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 <223> N stands for A, C, G or T

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 <210> 31
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: 5' PCR primer with parsing
 bases G-T-T-C

 <400> 31
 cgacggtatc gggttc 16

 <210> 32
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: 5' PCR primer with parsing
 bases G-T-T-G

 <400> 32
 cgacggtatc gggttg 16

 <210> 33
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: 5' PCR primer with parsing
 bases A-A-G-T

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 cgacggtatc ggaagt 16

<210> 34
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: 5' PCR primer with parsing
 bases A-G-G-T

 <400> 34
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<210> 35
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: 5' PCR primer with parsing
 bases A-C-A-A

 <400> 35
 cgacggtatc ggacaa 16

<210> 36
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: 5' PCR primer with parsing
 bases T-A-T-A

 <400> 36
 cgacggtatc ggtata 16

<210> 37
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: 5' PCR primer with parsing
 bases T-T-G-G

 <400> 37
 cgacggtatc ggttgg 16

<210> 38
 <211> 16
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: 5' PCR primer with parsing
 bases T-G-T-G

<400> 38
 cgacggtatc ggtgtg 16

<210> 39
 <211> 16
 <212> DNA
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<220>
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 bases T-C-A-T

<400> 39
 cgacggtatc gggtcat 16

<210> 40
 <211> 16
 <212> DNA
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<220>
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 bases T-C-G-G

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<210> 41
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 <223> Description of Artificial Sequence: extended TOGA primer for
 clone MM_11

<400> 41
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<210> 42
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: extended TOGA primer for
 clone MM_12

<400> 42
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<210> 43
<211> 30
<212> DNA
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<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_13

<400> 43
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<210> 44
<211> 30
<212> DNA
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<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_14

<400> 44
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<210> 45
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clone MM_15

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<210> 46
<211> 30
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<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_16

<400> 46
gatcgaatcc ggtttacagc taacattact 30

<210> 47

<211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: extended TOGA primer for
 clone MM_17

 <400> 47
 gatcgaatcc ggttttgtca tccaacaggg 30

 <210> 48
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: extended TOGA primer for
 clone MM_18

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 gatcgaatcc gggtggcaca gccatcaact 30

 <210> 49
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 <212> DNA
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 <223> Description of Artificial Sequence: extended TOGA primer for
 clone MM_19

 <400> 49
 gatcgaatcc ggtgagccta tggactcaat 30

 <210> 50
 <211> 30
 <212> DNA
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 <210> 51
 <211> 30
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 <213> Artificial Sequence

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<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_21

<400> 51
gatcgaatcc ggatcatgtat tgtatccatg 30

<210> 52
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_22

<400> 52
gatcgaatcc ggtcttaaca gaggactcct 30

<210> 53
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_23

<400> 53
gatcgaatcc ggatcggtttg cccagatcgt 30

<210> 54
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_26

<400> 54
gatcgaatcc ggggtgcacc tattgcatgt 30

<210> 55
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_27

<400> 55
gatcgaatcc ggggttcaacc gcgtgaaggt 30

<210> 56
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: extended TOGA primer for
 clone MM_28

 <400> 56
 gatcgaatcc ggggctggtg aagtacatga 30

 <210> 57
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: extended TOGA primer for
 clone MM_29

 <400> 57
 gatcgaatcc gggcatggtg gcgcacgggt 30

 <210> 58
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: extended TOGA primer for
 clone MM_3

 <400> 58
 gatcgaatcc ggaagtgtgt cagagtgcag 30

 <210> 59
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: extended TOGA primer for
 clone MM_30

 <400> 59
 gatcgaatcc gggcgtggtg gcgcacgggg 30

 <210> 60
 <211> 30
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: extended TOGA primer for clone MM_32

<400> 60
gatcgaatcc ggcatacagc taacattact 30

<210> 61
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: extended TOGA primer for clone MM_38

<400> 61
gatcgaatcc ggcggccacc caacaacttt 30

<210> 62
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: extended TOGA primer for clone MM_40

<400> 62
gatcgaatcc ggcccctgac accatctgga 30

<210> 63
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: extended TOGA primer for clone MM_7

<400> 63
gatcgaatcc ggatcatcca gcgggctgag 30

<210> 64
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: extended TOGA primer for clone MM_6

<400> 64
gatcgaatcc ggatggcaac cagatgattg 30

<210> 65
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_37

<400> 65
gatcgaatcc ggcggggccca tcggaggaca 30

<210> 66
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_9

<400> 66
gatcgaatcc ggagtccagt ggcctcccca 30

<210> 67
<211> 252
<212> DNA
<213> Mus musculus

<400> 67
atggccgagc ttggtgaagc ggacgaagcg gagttacaac gcctggtggc cgccgaacag 60
cagaaggcgc aattcactgc gcaggtgcat cacttcatgg aactatgttg ggataagtgt 120
gtggagaagc caggaagtcg gctagactcc cgcactgaaa actgcctctc tagctgtgtg 180
gatcgcttca ttgacactac tcttgccatc accggtcggg ttgccagat cgtacagaaa 240
ggagggcagt ag 252

<210> 68
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: cloning primer for MM_23

<400> 68

atggccgagc ttggtgaagc ggac 24

<210> 69
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: cloning primer for MM_23

<400> 69
ctgccctcct ttctgtacga tctg 24

<210> 70
<211> 252
<212> DNA
<213> Mus musculus

<400> 70
taccggctcg aaccacttcg cctgcttcgc ctcaatgttg cggaccaccg gcggcttgtc 60
gtcttccgcg ttaagtgcg cgtccacgta gtgaagtacc ttgatacaac cctattcaca 120
cacctcttcg gtccttcagc cgatctgagg gcgtgacttt tgacggagag atcgacacac 180
ctagcgaagt aactgtgatg agaacggtag tggccagcca aacgggtcta gcatgtcttt 240
cctcccgta tc 252

<210> 71
<211> 83
<212> PRT
<213> Mus musculus

<400> 71

Met Ala Glu Leu Gly Glu Ala Asp Glu Ala Glu Leu Gln Arg Leu Val
1 5 10 15

Ala Ala Glu Gln Gln Lys Ala Gln Phe Thr Ala Gln Val His His Phe
20 25 30

Met Glu Leu Cys Trp Asp Lys Cys Val Glu Lys Pro Gly Ser Arg Leu
35 40 45

Asp Ser Arg Thr Glu Asn Cys Leu Ser Ser Cys Val Asp Arg Phe Ile
50 55 60

Asp Thr Thr Leu Ala Ile Thr Gly Arg Phe Ala Gln Ile Val Gln Lys
65 70 75 80

Gly Gly Gln

<210> 72
<211> 249
<212> DNA
<213> Mus musculus

<400> 72
gccgagcttg gtgaagcgga cgaagcggag ttacaacgcc tggaggccgc cgaacagcag 60
aaggcgcaat tcaactgcgca ggtgcatcac ttcattggaac tatgttggga taagtgtgtg 120
gagaagccag gaagtcggct agactcccgcc actgaaaact gcctctctag ctgtgtggat 180
cgcttcattg acactactct tgccatcacc ggtcgggtttg cccagatcgt acagaaagga 240
gggcagtag 249

<210> 73
<211> 82
<212> PRT
<213> Mus musculus

<400> 73
Ala Glu Leu Gly Glu Ala Asp Glu Ala Glu Leu Gln Arg Leu Val Ala
1 5 10 15
Ala Glu Gln Gln Lys Ala Gln Phe Thr Ala Gln Val His His Phe Met
20 25 30
Glu Leu Cys Trp Asp Lys Cys Val Glu Lys Pro Gly Ser Arg Leu Asp
35 40 45
Ser Arg Thr Glu Asn Cys Leu Ser Ser Cys Val Asp Arg Phe Ile Asp
50 55 60
Thr Thr Leu Ala Ile Thr Gly Arg Phe Ala Gln Ile Val Gln Lys Gly
65 70 75 80

Gly Gln

<210> 74
<211> 97
<212> PRT

<213> Homo sapiens

<400> 74

Met Asp Ser Ser Ser Ser Ser Ser Ala Ala Gly Leu Gly Ala Val Asp
1 5 10 15

Pro Gln Leu Gln His Phe Ile Glu Val Glu Thr Gln Lys Gln Arg Phe
20 25 30

Gln Gln Leu Val His Gln Met Thr Glu Leu Cys Trp Glu Lys Cys Met
35 40 45

Asp Lys Pro Gly Pro Lys Leu Asp Ser Arg Ala Glu Ala Cys Phe Val
50 55 60

Asn Cys Val Glu Arg Phe Ile Asp Thr Ser Gln Phe Ile Leu Asn Arg
65 70 75 80

Leu Glu Gln Thr Gln Lys Ser Lys Pro Val Phe Ser Glu Ser Leu Ser
85 90 95

Asp

<210> 75

<211> 98

<212> PRT

<213> Schizosaccharomyces pombe

<400> 75

Met Ala Asp Ala Thr Lys Asn Pro Ile Ala Asp Leu Ser Glu Ser Glu
1 5 10 15

Gln Leu Glu Leu Ser Lys Phe Ile Glu Ser Glu Gln Gln Lys Val Lys
20 25 30

Leu Gln Gln Ala Thr His Gln Phe Thr Ser Thr Cys Trp Pro Lys Cys
35 40 45

Ile Gly Asn Ile Gly Asn Lys Leu Asp Lys Ser Glu Glu Gln Cys Leu
50 55 60

Gln Asn Cys Val Glu Arg Phe Leu Asp Cys Asn Phe His Ile Ile Lys
65 70 75 80

Arg Tyr Ala Leu Glu Lys Phe Gly Phe Leu Phe Cys Trp Leu Gly Phe
85 90 95

Ser Cys

<210> 76
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)..(14)
<223> Xaa can be any naturally occurring amino acid

<400> 76

Pro Gly Trp Pro Pro Ser Gln Pro Glu Gly Arg Ser Leu Xaa Ala Gln
1 5 10 15

Val His His Phe Met Glu Leu Cys Trp Asp Lys Cys Val Glu Lys Pro
20 25 30

Gly Asn Arg Leu Asp Ser Arg Thr Glu Asn Cys Leu Ser Ser Cys Val
35 40 45

Asp Arg Phe Ile Asp Thr Thr Leu Ala Ile Thr Ser Arg Phe Ala Gln
50 55 60

Ile Val Gln Lys Gly Gly Gln
65 70